

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/527,090

Source: Pg 1/10

Date Processed by STIC: 3/18/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/18/2005

PATENT APPLICATION: US/10/527,090

TIME: 11:17:50

Input Set : A:\050148.txt

Output Set: N:\CRF4\03182005\J527090.raw

```

3 <110> APPLICANT: AMANO ENZYME INC.
4     YUUKI, Kensuke
5     WASHIZU, Kinya
7 <120> TITLE OF INVENTION: Fungus producing transglutaminase
9 <130> FILE REFERENCE: P0201101
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/527,090
C--> 11 <141> CURRENT FILING DATE: 2005-03-10
11 <150> PRIOR APPLICATION NUMBER: JP P2002-263834
12 <151> PRIOR FILING DATE: 2002-09-10
14 <160> NUMBER OF SEQ ID NOS: 7
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 1224
20 <212> TYPE: DNA
21 <213> ORGANISM: Streptomyces mobaraensis
23 <220> FEATURE:
24 <221> NAME/KEY: source
25 <222> LOCATION: (1)..(1224)
26 <223> OTHER INFORMATION: transglutaminase gene
29 <400> SEQUENCE: 1
30 atgcgcatac gccggagagc tctcgtcttc gccactatga gtgcggtggt atgcaccgcc      60
32 ggattcatgc cgtcggcccg cgaggccgcc gccgacaatg gcgcggggga agagacgaag      120
34 tcctacgcgc aaacctaccg cctcacggcg gatgacgtcg cgaacatcaa cgcgctcaac      180
36 gaaagcgctc cggccgcttc gagecgccggc ccgctcgttc gggcccccga ctccgacgac      240
38 agggtcaccc ctcccgcgca gccgctcgac aggatgcccc acccgtaccg tccctcgtac      300
40 ggcagggccg agacggtcgt caacaactac atacgcaagt ggcagcaggt ctacagccac      360
42 cgcgacggca ggaagcagca gatgaccgag gagcagcggg agtggctgtc ctacggctgc      420
44 gtcggtgtca cctgggtcaa ttcgggtcag taccgcgacga acagactggc cttcgcgtcc      480
46 ttcgacgagg acaggttcaa gaacgagctg aagaacggca ggccccggtc cggcgagacg      540
48 cgggcggagt tcgagggccg cgtcgcgaag gagagcttcg acgaggagaa gggcttccag      600
50 cgggcgcgtg aggtggcgtc cgatcatgaac agggcccttg agaacgccc cgcgagagc      660
52 gcttacctcg acaacctcaa gaaggaactg gcgaacggca acgacgccct gcgcaacgag      720
54 gacgcccgtt ccccgttcta ctcggcgctg cggaaacacgc cgtccttcaa ggagcggaac      780
56 ggaggcaatc acgaccgcgc caggatgaag gccgtcatct actcgaagca cttctggagc      840
58 ggccaggacc ggtcgagttc ggccgacaag aggaagtacg gcgaccggga cgccttcgcg      900
60 cccgccccgg gcaccggcct ggtcgacatg tcgagggaca ggaacattcc gcgcagcccc      960
62 accagccccg gtgagggatt cgtaatttcc gactacggct ggttcggcgc ccagacggaa     1020
64 gcggacgccc acaagaccgt ctggaccacg ggaaatcact atcacgcgcc caatggcagc     1080
66 ctgggtgcca tgcattgtta cgagagcaag ttccgcaact ggtccgaggg ttactcggac     1140
68 ttcgaccgcg gagcctatgt gatcaccttc atccccaaga gctggaacac cgccccgcac     1200
70 aaggtaaagc agggctggcc gtga                                     1224
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 2393

```

RAW SEQUENCE LISTING

DATE: 03/18/2005

PATENT APPLICATION: US/10/527,090

TIME: 11:17:50

Input Set : A:\050148.txt

Output Set: N:\CRF4\03182005\J527090.raw

75 <212> TYPE: DNA

76 <213> ORGANISM: Streptomyces mobaraensis

78 <400> SEQUENCE: 2

```

79 gatcttccgg gacatctgag gcgcgcggagg cgatccgagg cgcgcgaggc gtctgcgcga      60
81 agggcgccgc cgtgccgtcc atccccgtcc gcgtcgacgc gggcggggag ggggtgcggc      120
83 ggcgcccttc ggctgtgtgg acgaagcgtc gggtcggagg ggcggccgga tategtcttt      180
85 gggcgggggt ggccggaatt gccgccatgg tgttgccggg gaatcgaccc gaagacatga      240
87 tcactttctc tatccacccg atcacgtatc cgggagtcga gaagtgttac gccgtgcccc      300
89 tgtccgcgtc ctacccctg tcgcggtgac agcgaccgcg gttcttccac tcgcacggac      360
91 gggccacacg gacctttcgg cccgggtcgc cccgcgcgcc tcggtgacgg cctccgaata      420
93 acgcggccgc cggggcctcg gccggttgac cgatccgggt caccgcgcgc gccgggcggg      480
95 cggccacgtc cgggtctgcc ccgcgcgaca tcggtgcgca ctgccttcgc tcgcacttct      540
97 tccgcctccc cggccgcgtt tttccgcgc cgaagggtgc gcgacgcgta ccgaatcccc      600
99 cttcatcgcg acgtgcttcc gcacggccgc gttcaacgat gttccacgac aaaggagttg      660
101 cagggtttcca tgcgcatacg ccggagagct ctcgtcttcg ccactatgag tgcggtgtta      720
103 tgcaccgcgc gattcatgcc gtcggccggc gaggccgcgc ccgacaatgg cgcgggggaa      780
105 gagacgaagt cctacgccga aacctaccgc ctacgcggcg atgacgtcgc gaacatcaac      840
107 gcgctcaacg aaagcgtccc ggccgcttcg agcgccggcc cgtcgttccg ggcccccgac      900
109 tccgacgaca gggtcacccc tcccgcgcgag ccgctcgaca ggatgcccga cccgtaccgt      960
111 ccctcgtagc gcagggccga gacggtcgtc aacaactaca tacgcaagtg gcagcaggtc      1020
113 tacagccacc gcgacggcag gaagcagcag atgaccgagg agcagcggga gtgggtgtcc      1080
115 tacggctgcg tcggtgtcac ctgggtcaat tcgggtcagt acccgacgaa cagactggcc      1140
117 ttcgcgctct tcgacgagga caggttcaag aacgagctga agaacggcag gccccggtcc      1200
119 ggcgagacgc gggcggagtt cgagggcgcg gtcgcgaagg agagcttcga cgaggagaag      1260
121 ggcttccagc gggcgcggtg ggtggcgctc gtcatgaaca gggccctgga gaacgcccac      1320
123 gacgagagcg cttacctcga caacctcaag aaggaaactg cgaacggcaa cgacgcccgt      1380
125 cgcaacgagg acgcccgttc cccgttctac tcggcgctgc ggaacacgcc gtccttcaag      1440
127 gagcggaacg gaggcaatca cgaccgcgtc aggatgaagg ccgtcatcta ctgcaagcac      1500
129 ttctggagcg gccaggaccg gtcgagttcg gccgacaaga ggaagtacgg cgaccggac      1560
131 gccttccgcc ccgccccggg caccggcctg gtcgacatgt cgagggacag gaacattccg      1620
133 cgcagcccca ccagccccgg tgagggatcc gtcgaatttc actacggctg gttcggcgcc      1680
135 cagacggaag cggacgccga caagaccgtc tggaccacag gaaatcacta tcacgcgccc      1740
137 aatggcagcc tgggtgccat gcatgtctac gagagcaagt tccgcaactg gtccgagggg      1800
139 tactcggaat tcgaccgcgg agcctatgtg atcaccttca tccccaagag ctggaacacc      1860
141 gcccccgaca aggtaaagca gggctggccg tgatgtgagc ggggtggagg ggagccgggt      1920
143 gcccggctcc cctccaccct ctcccccgcc accacgaaag tcgtacagc tcgtgtcccg      1980
145 tcgtgtgtgc gacgtgcgcc gggagttcgc cctcgtggcg gtcgcccgtc gtcggggtgc      2040
147 ccgtgggttc gaacatgagg atggaggcgc ccggggagga cggttgtgt tcggtgccct      2100
149 tgggcaccac gaaggtgtcg cccttgtgca ggcgaccgt gtgttcggt ccgtcgaggt      2160
151 cgcggagcgc cagtcgaag cggccgtcca ggacgaggaa gaactcgtcg gtgtcctcgt      2220
153 ggacgtgcca gacgtgctcg cctcgggtgt gggcgacgcg gacgtcgtag tcgttcatgc      2280
155 gggcgacgat gcgcgggctg tagacgtcgt cgaaggaggc gagggccttg gcgaggttga      2340
157 cgggctcggg gtcgttcagt gtcgaggtct cggcgggagc ccgcgcggc gtc      2393

```

160 <210> SEQ ID NO: 3

161 <211> LENGTH: 20

162 <212> TYPE: DNA

163 <213> ORGANISM: Artificial Sequence

165 <220> FEATURE:

166 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer

RAW SEQUENCE LISTING

DATE: 03/18/2005

PATENT APPLICATION: US/10/527,090

TIME: 11:17:50

Input Set : A:\050148.txt

Output Set: N:\CRF4\03182005\J527090.raw

```

168 <400> SEQUENCE: 3
169 acaccgcact catagtggcg                                20
172 <210> SEQ ID NO: 4
173 <211> LENGTH: 20
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
180 <400> SEQUENCE: 4
181 tccgtgcgag tggaagaacg                                20
184 <210> SEQ ID NO: 5
185 <211> LENGTH: 17
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
192 <400> SEQUENCE: 5
193 gacggcctcc gaataac                                  17
196 <210> SEQ ID NO: 6
197 <211> LENGTH: 18
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
204 <400> SEQUENCE: 6
205 atgtcgaggg acaggaac                                  18
208 <210> SEQ ID NO: 7
209 <211> LENGTH: 18
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
216 <400> SEQUENCE: 7
217 caccacgaaa gtcgctac                                  18

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/527,090

DATE: 03/18/2005

TIME: 11:17:52

Input Set : A:\050148.txt

Output Set: N:\CRF4\03182005\J527090.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date